

AMENDMENTS TO THE CLAIMS

Claims 1-3 (Cancelled)

4. (Currently Amended) A method comprising:

identifying a radio protocol;

receiving a ~~the~~ radio protocol at a ~~baseband module~~;

prior to downloading the radio protocol by a vendor, determining whether ~~said the~~ radio protocol has been certified by meets certification requirements of a third-party certification authority prior to the radio protocol being distributed to the vendor; and
providing guarantees regarding the certification requirements to a relevant authority; and

storing ~~said downloading the~~ radio protocol ~~in at~~ a non-volatile memory device ~~in~~ at ~~said a~~ baseband module, ~~if said~~ if the radio protocol meets the certification requirements ~~has been certified by said certification authority.~~

5. (Currently Amended) The method of claim 4, wherein the determining of whether ~~said the~~ radio protocol meeting the certification requirements has been certified comprises authenticating ~~said the~~ radio protocol using a first cryptographic key stored ~~in~~ ~~said at the~~ baseband module.

6. (Currently Amended) The method of claim 5, wherein ~~said the~~ first cryptographic key ~~is~~ comprises a public key.

7. (Currently Amended) The method of claim ~~5~~ 1, wherein ~~said the~~ storing said downloading of the radio protocol comprises ~~using a boot loader program to write said~~

writing the radio protocol to ~~said the~~ non-volatile memory device via a boot loader program.

8. (Currently Amended) The method of claim 7, further comprising determining whether ~~said the~~ boot loader program ~~has been~~ is approved by a manufacturer of ~~said the~~ baseband module.

9. (Currently Amended) The method of claim 8, wherein the determining whether ~~said the~~ boot loader program ~~has been~~ is approved by ~~said the~~ manufacturer comprises authenticating ~~said the~~ program using a second cryptographic key stored ~~in said at the~~ baseband module.

10. (Currently Amended) The method of claim 9, wherein ~~said the~~ second cryptographic key ~~is~~ comprises a public key.

Claims 11-15 (Cancelled)

16. (Currently Amended) ~~Apparatus~~ A system comprising:
a receiver to receive and identify a radio protocol;
a mechanism to:
prior to downloading the radio protocol by a vendor, determine whether
~~said the~~ radio protocol ~~has been certified by~~ meets certification requirements of a
third-party certification authority prior to the radio protocol being distributed to
the vendor, and

provide guarantees regarding the certification requirements to a relevant authority; and

a non-volatile memory device at a baseband module to store said accept a download of the radio protocol and store the radio protocol, if it has been certified by said certification authority the radio protoco.

17. (Currently Amended) The apparatus-system of claim 16, wherein ~~said the~~ mechanism is further to determines whether said radio protocol has been certified by authenticating said authenticate the radio protocol using a first cryptographic key stored ~~in said at the~~ baseband module.

18. (Currently Amended) The apparatus-system of claim 17, wherein ~~said the~~ first cryptographic key is comprises a public key.

19. (Currently Amended) The apparatus-system of claim 16, ~~further comprising~~ wherein the radio protocol is downloaded at the non-volatile memory device via a boot loader program ~~to write said radio protocoel to said non-volatile memory device.~~

20. (Currently Amended) The apparatus-system of claim 19, ~~further comprising a~~ wherein the mechanism is further to determine whether said the boot loader program ~~has been is~~ approved by a manufacturer of ~~said apparatus~~ the baseband module.

21. (Currently Amended) The apparatus-system of claim 20, wherein ~~said the~~ mechanism is further to determine whether said boot loader program has been approved

~~by a manufacturer of said apparatus authenticates said~~ authenticate the boot loader program using a second cryptographic key stored ~~in said apparatus~~ at the baseband module.

22. (Currently Amended) The ~~apparatus system~~ of claim 21, wherein ~~said the~~ second cryptographic key ~~is comprises~~ a public key.

23. (Currently Amended) A ~~computer-readable storage~~ machine-readable medium having stored thereon a ~~sequence~~ sets of instructions which, when executed by a machine, cause ~~a the processor to perform operations comprising~~ machine to:

~~receiving identify~~ a radio protocol ~~at a baseband module;~~

receive the radio protocol;

prior to downloading the radio protocol by a vendor, determining determine whether ~~said the~~ radio protocol ~~has been certified by~~ certification requirements of a third-party certification authority to be distributed to the vendor; and

providing guarantees regarding the certification requirements to a relevant authority; and

~~storing said downloading the~~ radio protocol ~~in at~~ a non-volatile memory device ~~in said at the~~ baseband module, if ~~said the~~ radio protocol meets certification requirements ~~has been certified by said certification authority.~~

24. (Currently Amended) The ~~computer-readable storage~~ machine-readable medium of claim 23, wherein the ~~determining whether said of the~~ radio protocol meeting the

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certification requirements ~~has been certified~~ comprises ~~authenticated said~~ authenticating
the radio protocol using a first cryptographic key stored ~~in said~~ at the baseband module.

25. (Currently Amended) The ~~computer-readable storage~~ machine-readable medium
of claim 24, wherein ~~said the~~ first cryptographic key ~~is~~ comprises a public key.

26. (Currently Amended) The ~~computer-readable storage~~ machine-readable medium
of claim 23, wherein ~~said storing the downloading of the said radio protocol~~ comprises
using a boot loader program to write writing ~~said the~~ radio protocol to ~~said the~~ non-
volatile memory device.

27. (Currently Amended) The ~~computer-readable storage~~ machine-readable medium
of claim 26, wherein ~~said operations further comprise the sets of instructions when~~
executed further cause the machine to determining determine whether ~~said the~~ boot
loader program ~~has been~~ is approved by ~~a the~~ manufacturer of ~~said the~~ baseband module.

28. (Currently Amended) The ~~computer-readable storage~~ machine-readable medium
of claim 27, wherein ~~determining whether said the sets of instructions when executed~~
further cause the machine to authenticate the boot loader program ~~has been approved by~~
~~said manufacturer~~ comprises authenticating said program using via a second
cryptographic key ~~storing said~~ stored at the baseband module.

29. (Currently Amended) The ~~computer-readable storage~~ machine-readable medium
of claim ~~27~~ 28, wherein ~~said the~~ second cryptographic key ~~is~~ comprises a public key.

Claims 30-36 (Cancelled)